



Welcome to the first edition of the Shared Enterprise Geodata and Services (SEGS) newsletter!

Shared Enterprise Geodata and Services (SEGS) provides downloads and web services of geospatial datasets that are national in extent and of general use to all EPA users. SEGS was formerly known as the IGD or Integrated Geospatial Database and includes datasets purchased from private vendors and publically available datasets that require additional processing. You can learn more about SEGS at <http://intranet.epa.gov/gis/segs.html>

The EPA has two primary servers for general purpose reusable map services (there are many other servers for map services supporting specific applications that may or may not be designed to be reusable). The first, <http://igeo.epa.gov>, is available on the EPA intranet only, and is intended to host data that is licensed for internal use only or otherwise inappropriate for public consumption. The second, <http://geodata.epa.gov>, is intended to host data that is appropriate for broad public use. On both servers, the services are grouped into folders by “AAship” for organizational purposes and can be discovered by using the Environmental Dataset Gateway (EDG, <http://edg.epa.gov>) to search for “SEGS”.

SEGS Monthly Status Roundup

- The **Dun & Bradstreet Agricultural Points** dataset was refreshed based on SEGS annual schedule. Because of questions about the D&B geocoding process, this year all points were geocoded using EPA’s licensed Navteq National Point Geocoder service. The original coordinates have been preserved for referential integrity. This data is available at the following links:
 - **Map Service** (http://igeo.epa.gov/arcgis/rest/services/OEI_IGD/Dun_and_Bradstreet_Agriculture/MapServer)
 - **Download** (<http://edg-intranet.epa.gov/data/Restricted/OEI/Agriculture/>)
 - **Metadata** (<http://edg-intranet.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B10264090-78F1-41F5-8177-61BF28EBD036%7D>)
- A new **ZIP code dataset** was published containing several versions of polygon (generalized and ungeneralized) and point layers from HERE (formerly Navteq). ZIP code data can be notoriously tricky to work with, as the Postal Service does not publish any official geospatial data, but this was found to be the best available for Agency users today. We’re working on a white paper about working with ZIP code data, in the meantime, this data is available at the following links:
 - **Map Service** (http://igeo.epa.gov/arcgis/rest/services/OEI_IGD/Zipcodes/MapServer)
 - **Download** (<http://edg-intranet.epa.gov/data/restricted/OEI/Navteq/Zipcodes/>)
 - **Metadata** (<http://edg-intranet.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7BB30A936B-0B18-441D-AC10-A6C5DD81ECB3%7D>)
- **SEGS metadata records were audited** to ensure compliance with Data.gov Project Open Data requirements.

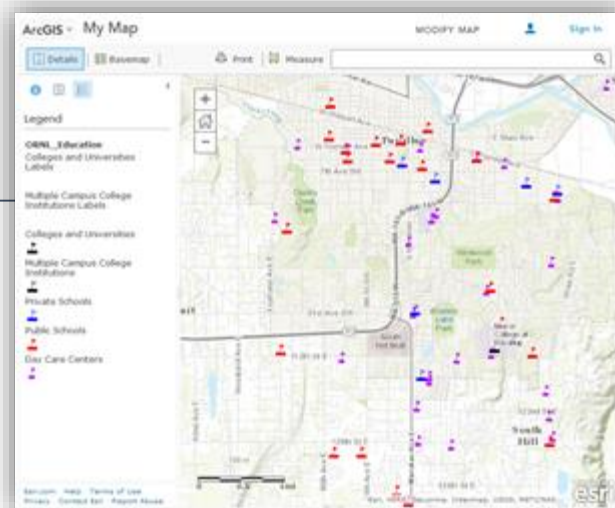
SEGS Highlight Dataset

ORNL Education map service

http://geodata.epa.gov/arcgis/rest/services/OEI/ORNL_Education/MapServer

This map service provides access to Oak Ridge National Laboratory (ORNL) education layers: Public Schools, Private Schools, Colleges and Universities, Multi-Campus Universities, and Day Care Centers. The data are compiled by Oak Ridge National Laboratory, but are made available to other federal agencies with no restrictions. The extent for most layers includes all 50 states – Day Care Centers being the exception. Puerto Rico, US Virgin Islands and other territories have varying coverage. The metadata for the service is in the EDG and describes the source data for each layer in more detail. The map service has a scale limitation and the data will only be displayed when zoomed in closer than 1:100,000 scale.

The service has dynamic rendering set, so changing symbology is possible when the service is incorporated into an EPA GeoPlatform Online web map or web application.



Example of the ORNL Education web service add to an EPA GeoPlatform Online web map.

Discover more SEGS downloadable data and web services in the Environmental Dataset Gateway (EDG)

Search for “SEGS” at <http://edg.epa.gov>

Data Currently Being Evaluated

Originally based on interest in a national neighborhood boundary database for an Office of Research and Development health study, the SEGS Team is exploring the possible acquisition of Maponics (www.maponics.com) neighborhood and marketplace data.

Neighborhood boundaries are challenging to map due to varying methods used to define neighborhoods – no two neighborhood databases are alike. Maponics gathers neighborhood data from municipalities and other local organizations and stores the information in a uniform data structure that is updated quarterly. The Maponics neighborhood product includes boundaries (> 156,000 in North America), centroids, names, and a ZIP Code correlation file. The SEGS Team will also be evaluating Maponics marketplace data that has been associated with neighborhood boundaries – demographics, crime scores, and commuter access. Please contact the SEGS Team if you would like to learn more about Maponics data or if you have insights about neighborhood boundaries.

Need Help?
geoservices@epa.gov

SEGS Team is asking for your help!

Please contribute suggestions and discuss priorities at the [Sharepoint SEGS Open Thread](#). This discussion will assist the SEGS Team review and prioritize datasets of interest to EPA staff.

You are also encouraged to attend monthly SEGS Workgroup meetings, please email catlin.dave@epa.gov for an invitation.